

WHAT IS CLAIMED IS:

1. A method for predicting the relative affinity for binding to a ligand of a peptide that competes with a polypeptide for binding to the ligand, which peptide is derived from a phage-displayed library, which method comprises incubating a phagemid clone corresponding to the peptide with the polypeptide in the presence of the ligand, serially diluting the phage, and measuring the degree to which binding of the phagemid clone to the ligand is inhibited by the peptide, wherein a phagemid clone that is inhibited only at low phage concentrations has a higher affinity for the ligand than a phagemid clone that is inhibited at both high and low phage concentrations.
2. The method of claim 1 wherein the ligand is an IGF binding protein and the polypeptide is an IGF.

11/11/2011 11:11:11 AM